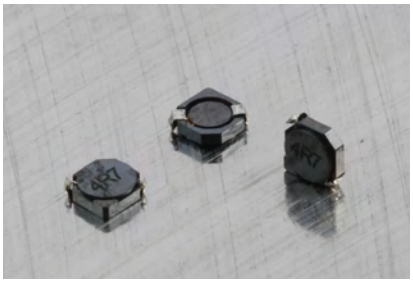
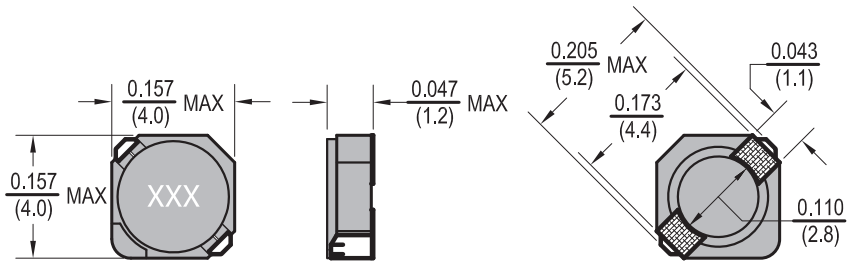
Power Chip Shielded Inductors PCS3D11

Dimensions: Inches / (mm)





Allied Part Number	Inductance (µH)	Tolerance (%)	Test Freq. KHz,1v	DCR Max. (Ω)	Rated Current (A)	Irms A Typ.
PCS3D11-2R7T-RC	2.7	30	100	0.078	0.53	1.82
PCS3D11-4R7T-RC	4.7	30	100	0.123	0.40	1.38
PCS3D11-6R8T-RC	6.8	30	100	0.180	0.34	1.05
PCS3D11-8R2T-RC	8.2	30	100	0.204	0.32	0.93
PCS3D11-100T-RC	10	30	100	0.240	0.28	0.90
PCS3D11-120T-RC	12	30	100	0.276	0.25	0.81
PCS3D11-150T-RC	15	30	100	0.372	0.23	0.68
PCS3D11-180T-RC	18	30	100	0.468	0.21	0.58
PCS3D11-220T-RC	22	30	100	0.540	0.19	0.53
PCS3D11-270T-RC	27	30	100	0.726	0.17	0.48
PCS3D11-330T-RC	33	30	100	0.822	0.15	0.41
PCS3D11-390T-RC	39	30	100	0.942	0.14	0.40

All specifications subject to change without notice.

Features

- Shielded SMD Power Inductor
- Available in magnetically shielded
- Low DC resistance
- Ideal for DC-DC converter applications

Electrical

Inductance Range: 2.7µH to 39µH
Tolerance: 30% over entire range
Also, available in tighter tolerances
Operating Temp: -30ºC ~ +100ºC
Rated Current: Current at which inductance drop is equal to 35% typ.
Irms: current at which ΔT=40ºC temp rise

Resistance to Soldering Heat

Pre-Heat 150ºC, 1 Min.
Solder Composition: Sn/Ag3.0/Cu0.5
Solder Temp: 260ºC +/- 5ºC for
10 sec. +/- 1 sec.

Test Equipment

(L): HP4284A
(RDC): Chen Hwa 502BC
Rated Current: HP4284+HP42841A
(Irms): HP4284+HP42841A

Physical

Packaging: 1000 pieces per 7 inch reel.
Marking: EIA Inductance Code